

Title (en)

Vacuum contact type printing machine and method of contact therefor.

Title (de)

Vakuumkontaktkopiergerät und Kontaktverfahren dazu.

Title (fr)

Dispositif de tirage par contact et par le vide et méthode de réalisation d'un tel contact.

Publication

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Application

EP 89120100 A 19891030

Priority

JP 14313288 U 19881031

Abstract (en)

A vacuum contact type printing device carrying out printing with an original film (S) and a photosensitive material (P) being in contact with each other includes a flexible sheet (26) on which the photosensitive material (P) is placed, a sheet holding portion (22) provided below the sheet (26), an original holding portion for holding the original (S) provided facing the sheet, and a sealable exposure chamber (A) containing the sheet (26), the sheet holding portion (22) and the original holding portion. Switching valves (V1,V2) for switching the pressure of the central portion (S1) and of the peripheral portions (S3) of the sheet holding portion (22) between a negative pressure and the atmospheric pressure are provided at the central and peripheral portions. A vacuum pump (VP) is connected to the exposure chamber to reduce the pressure of the exposure chamber, and a pressure sensor for detecting the pressure in the exposure chamber (A) is provided. The pressure between the sheet and the sheet holding portion is switched by the switching valves successively from the central portion (S1) to the peripheral portions (S3), from the negative pressure to the atmospheric pressure, responsive to the output from the pressure sensor.

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